

Fig. 1a

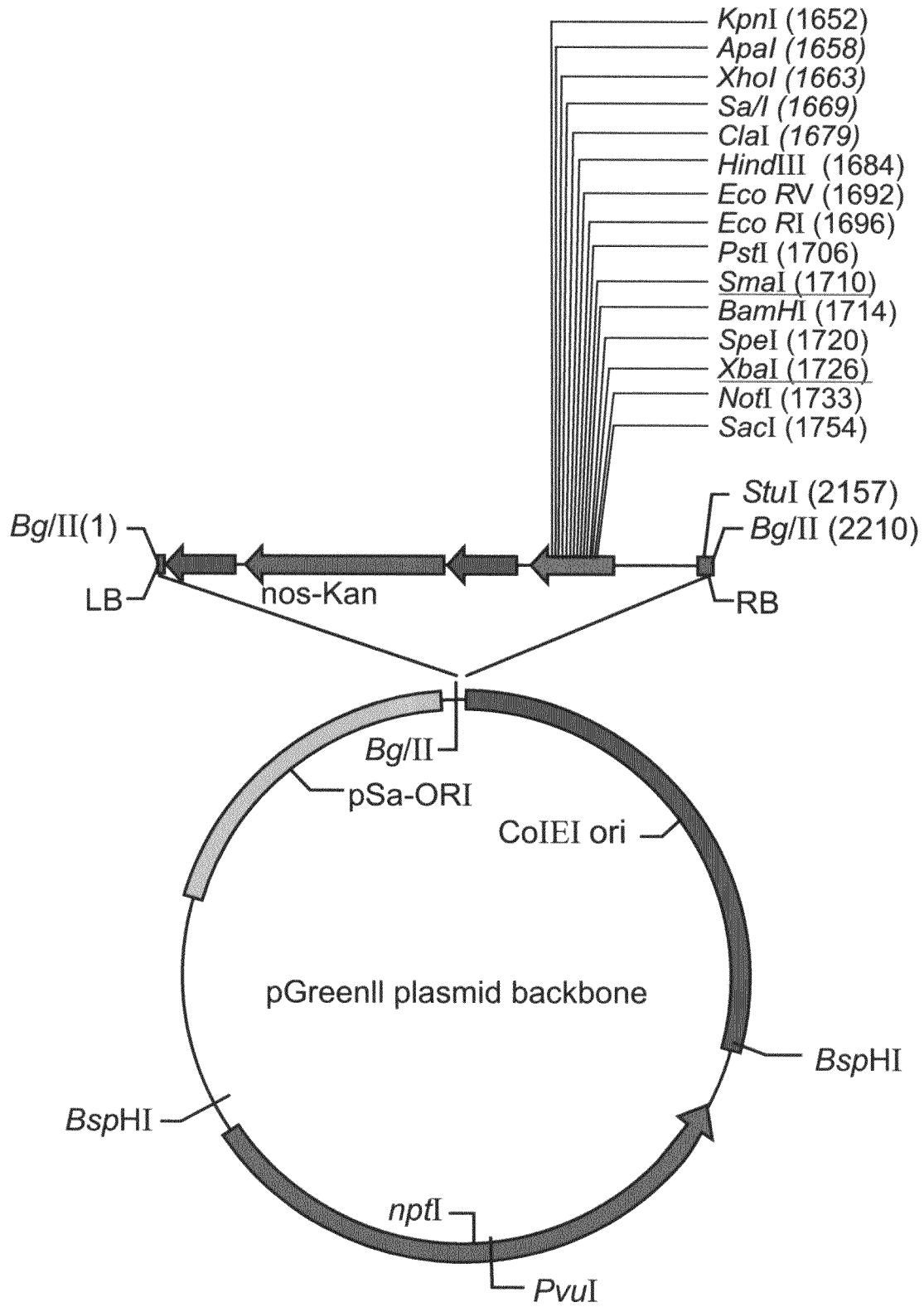


Fig. 1b

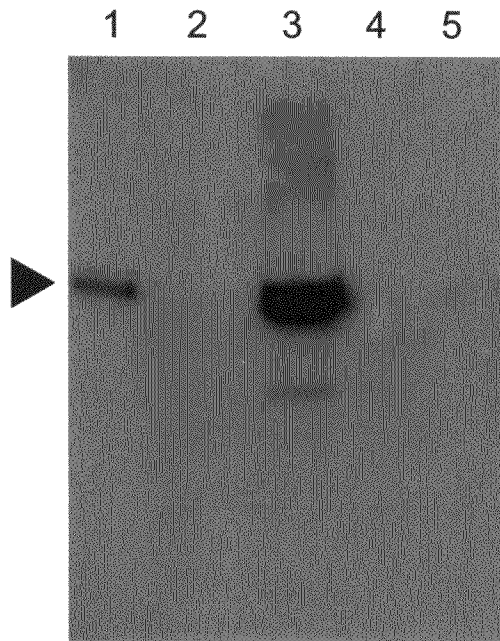


Fig. 2

Transformed cells express rGCD. 1 gram calli tissue was homogenized and 15 microgram of soluble cell extract were run on SDS-PAGE. Expression of rGCD in selected transformed calli was tested by western blot analysis with specific anti hGCD antibodies. 1: standard cerezyme, 2: untransformed callus extract, 3-5: various selected transformed calli extracts .

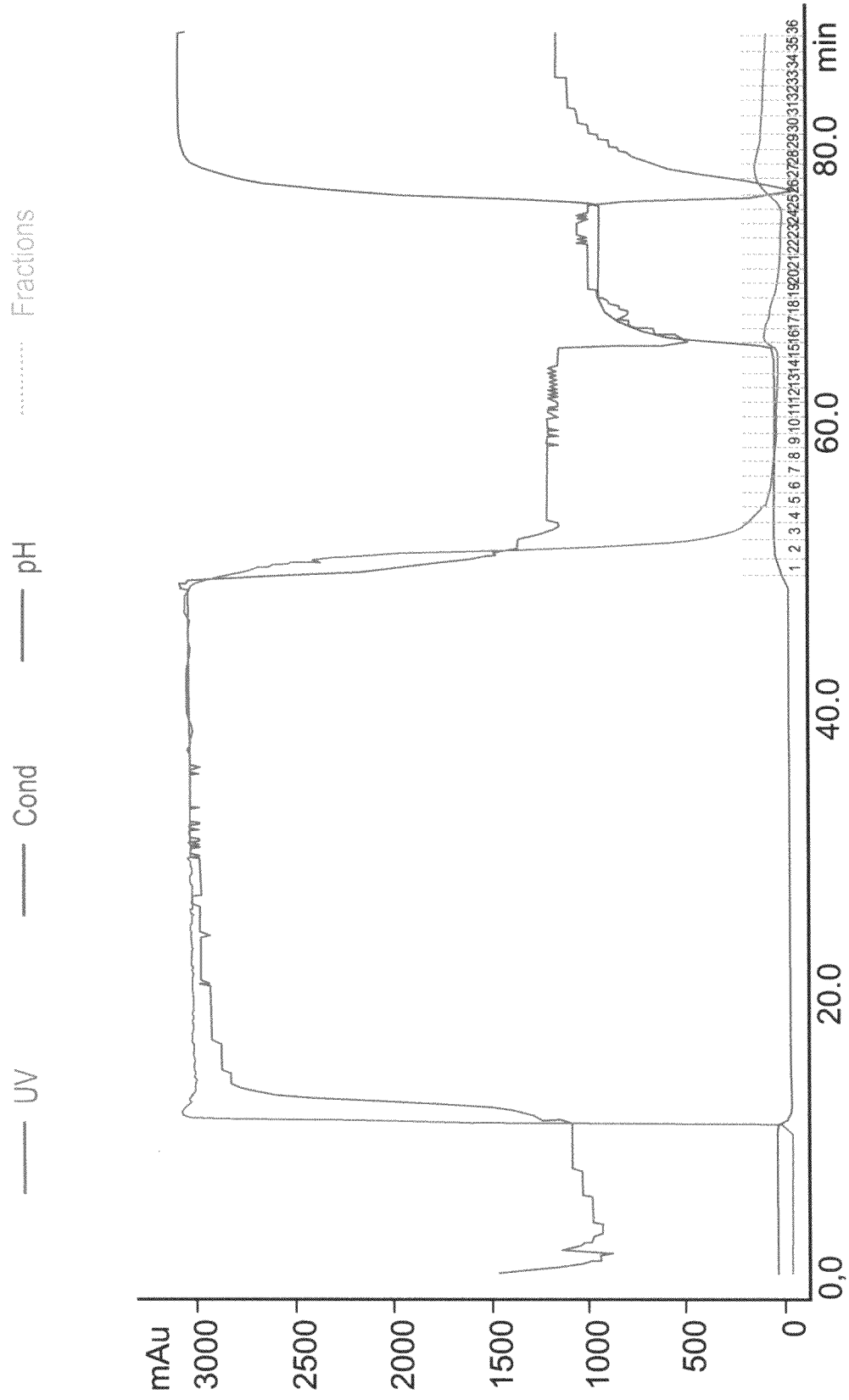
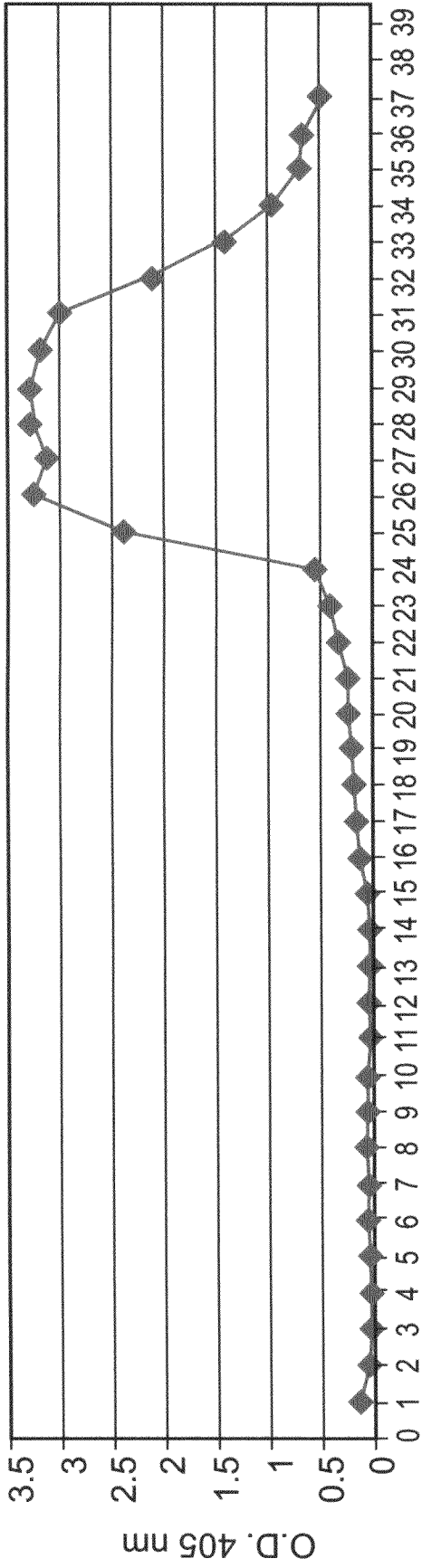


Fig. 3a



Fraction Fig. 3b

FT 1 3 5 8 12 15 16 17 19 23 25 26 27 29 33 MW

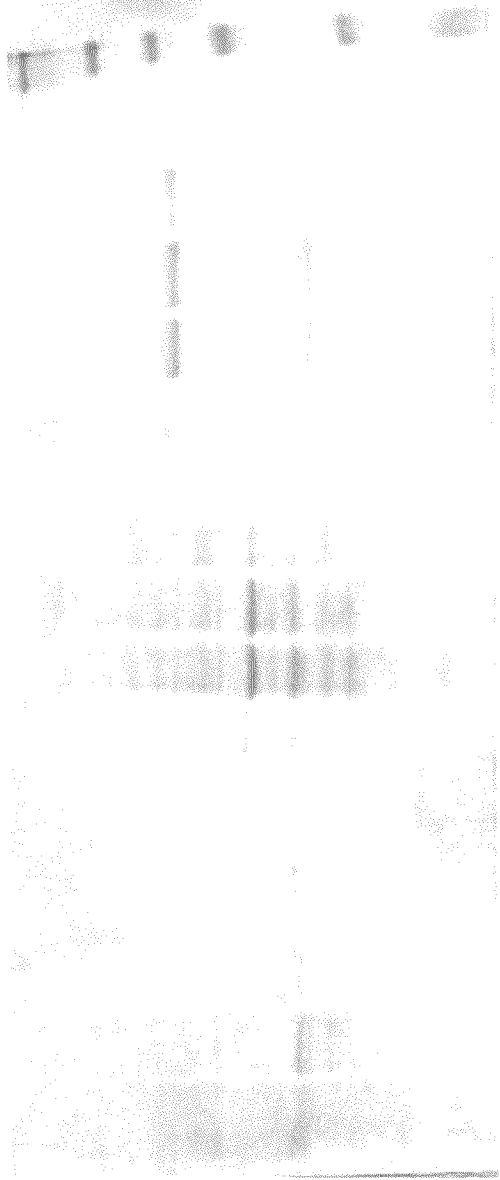


Fig. 3c

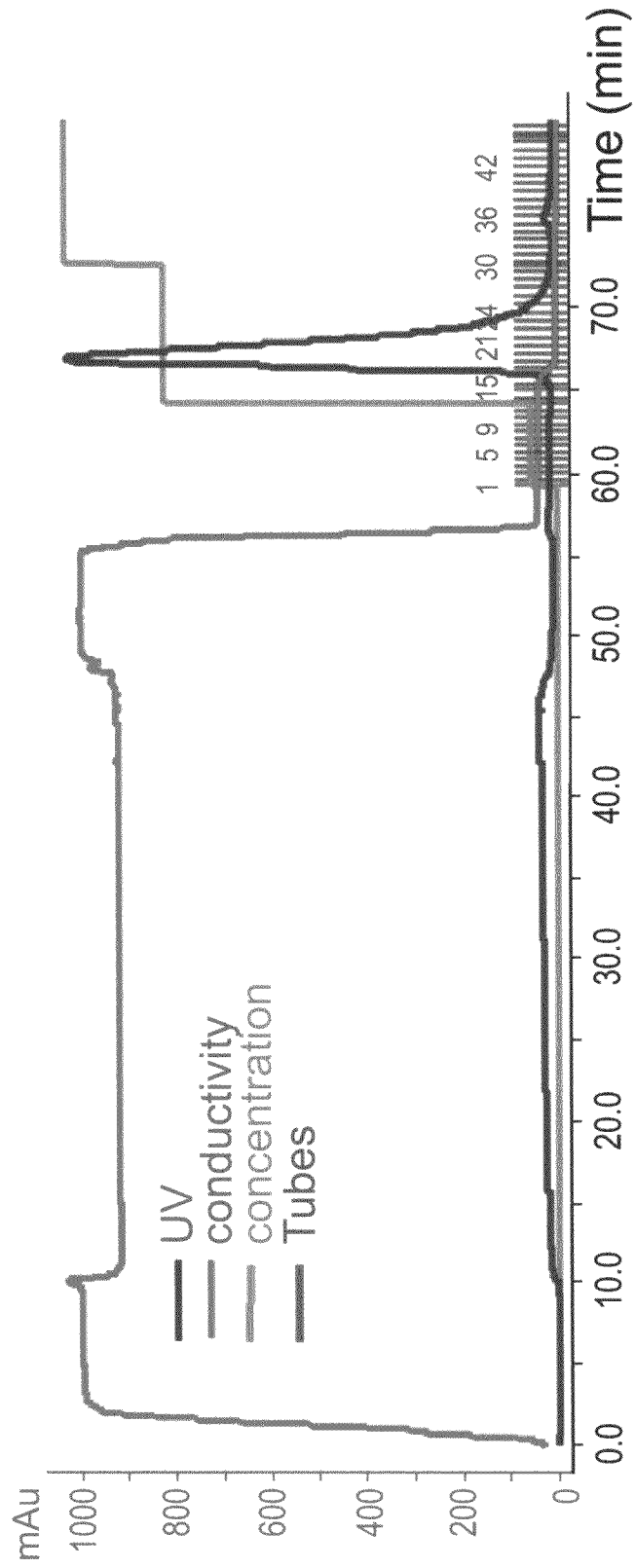


Fig. 3d

7/17

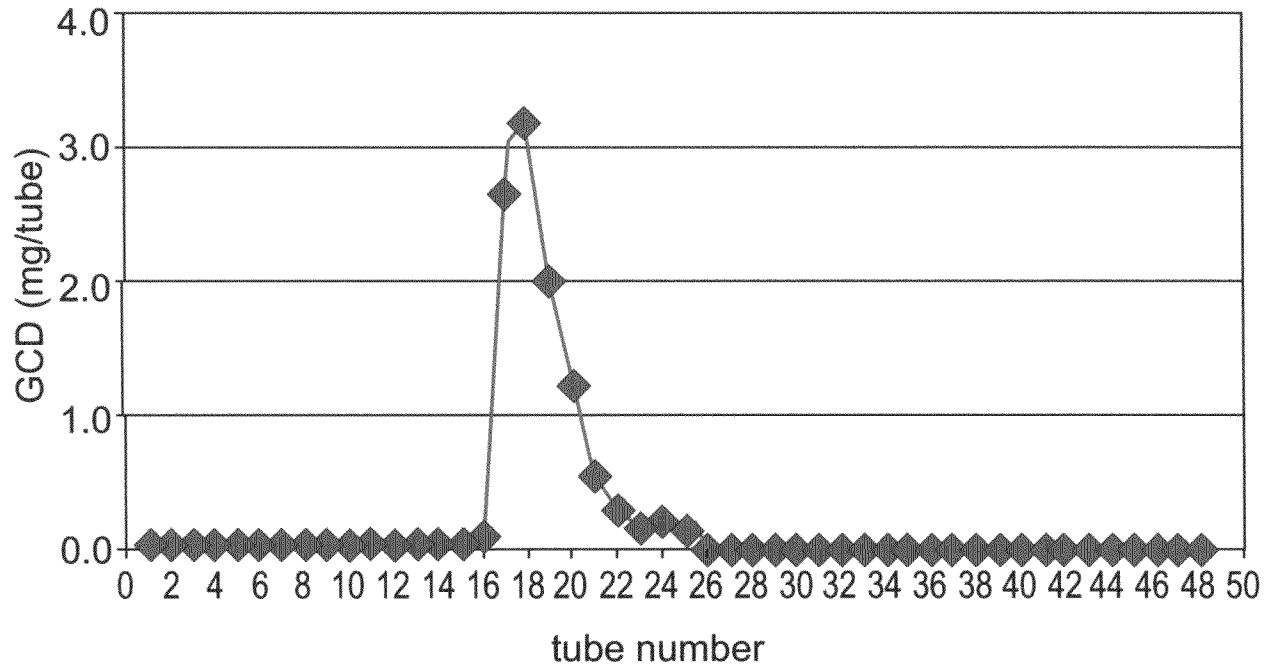


Fig. 3e

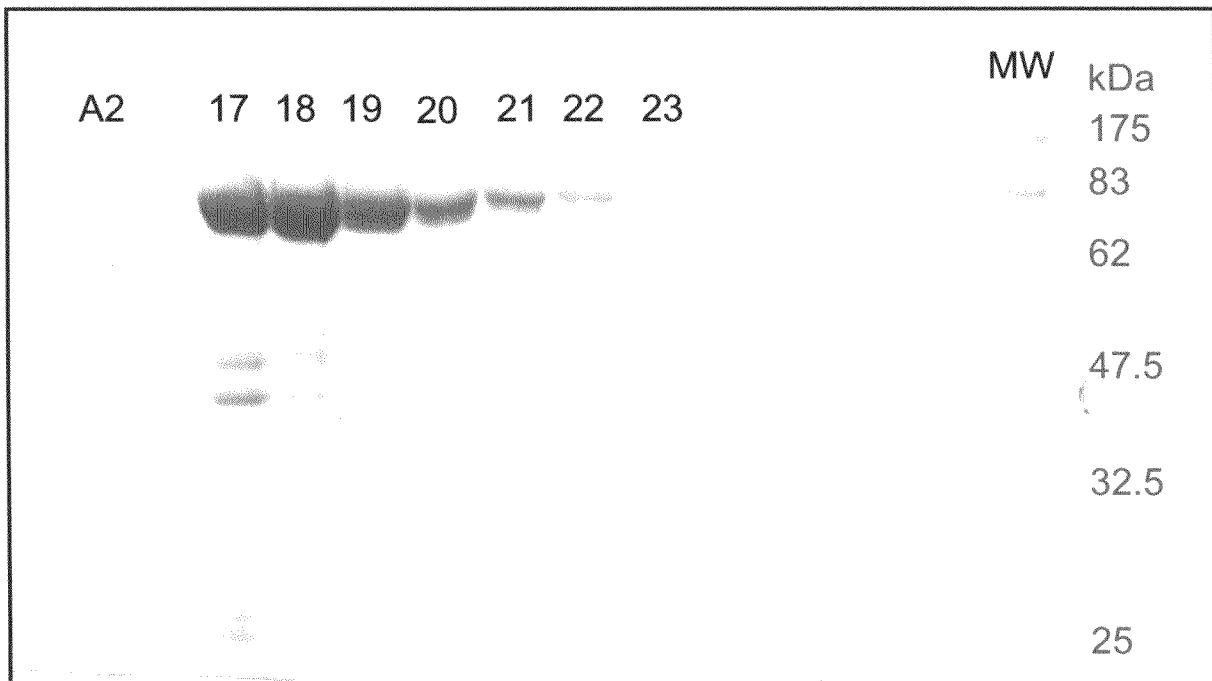


Fig. 3f

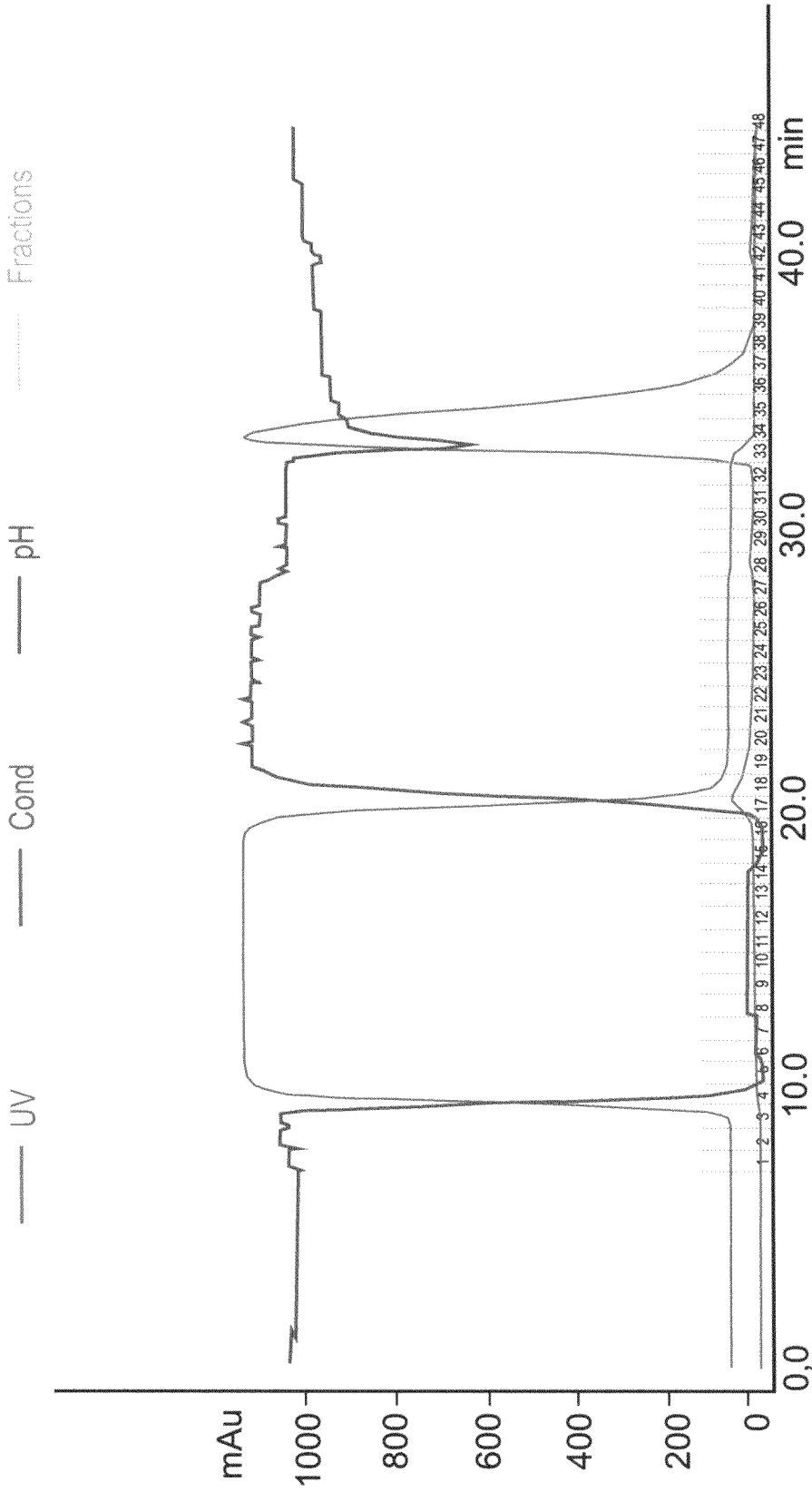
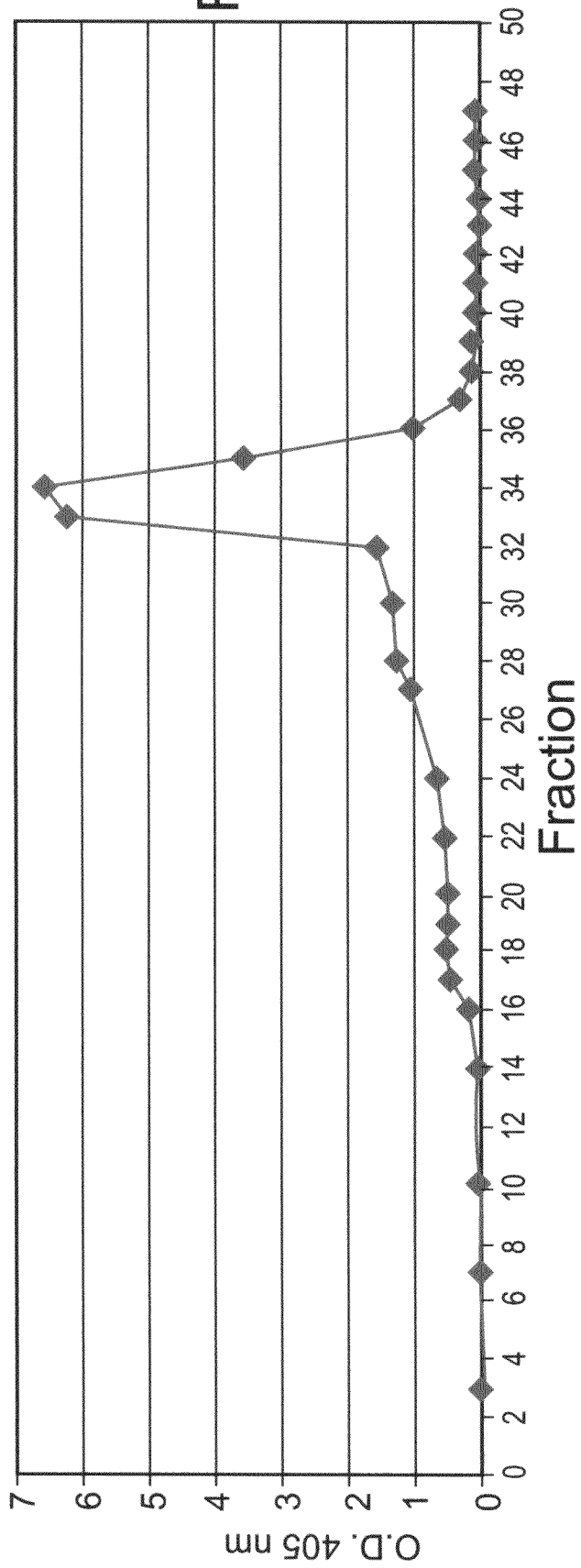
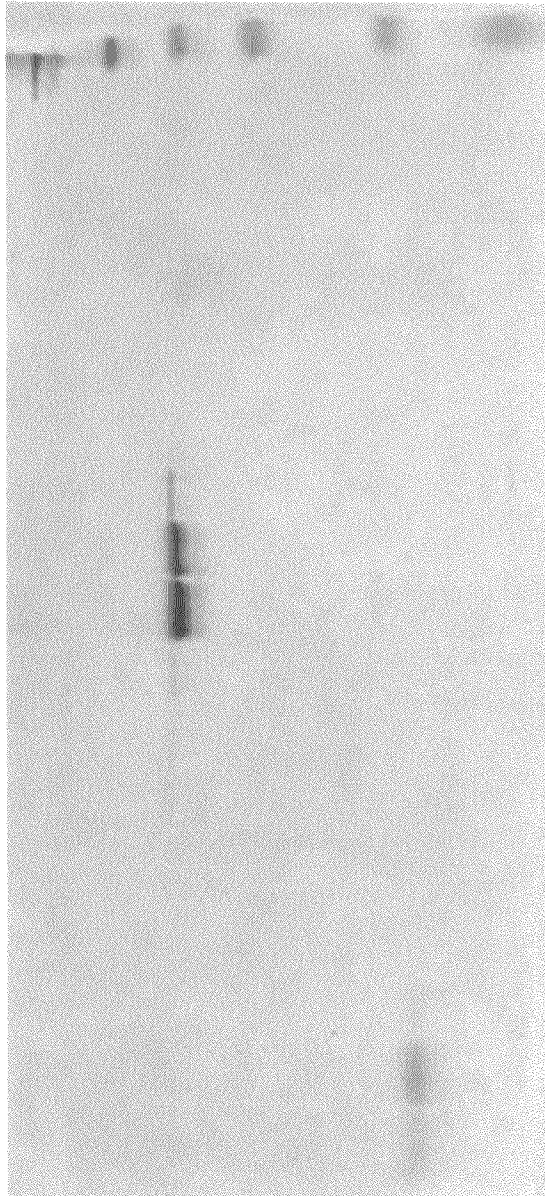


Fig. 4a



9/17

17 18 20 24 27 28 30 32 33 34 35 36 37 40 Load MW



10/17

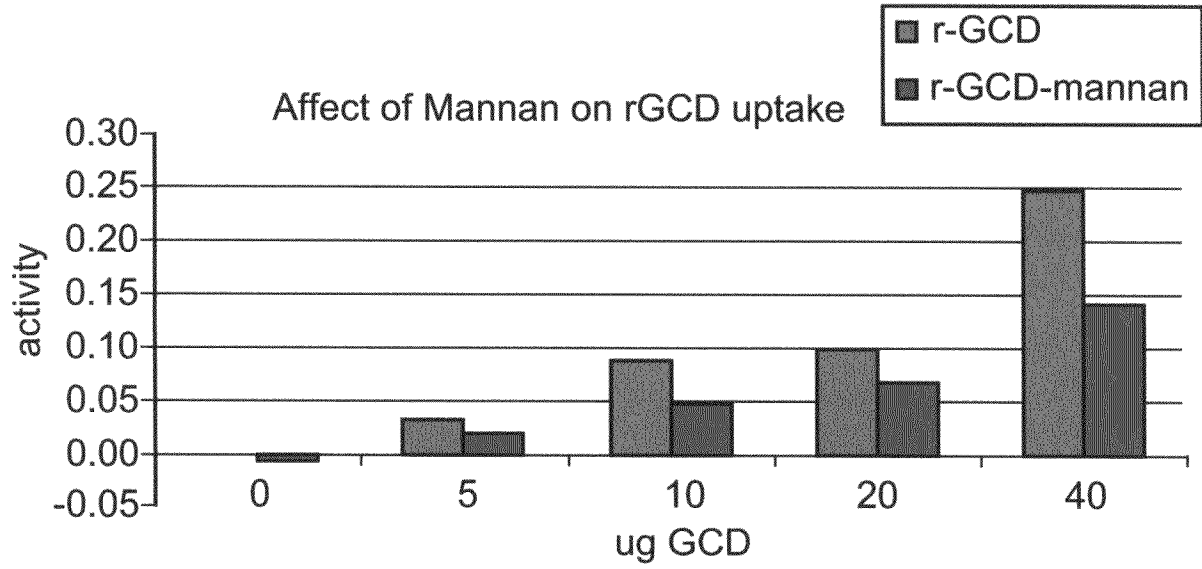


Fig. 5a

Uptake of GCD in peritoneal macrophages by mannose receptors
 GCD (CB-mix1 = rGCD of the present invention) Vs. Cerezzyme®

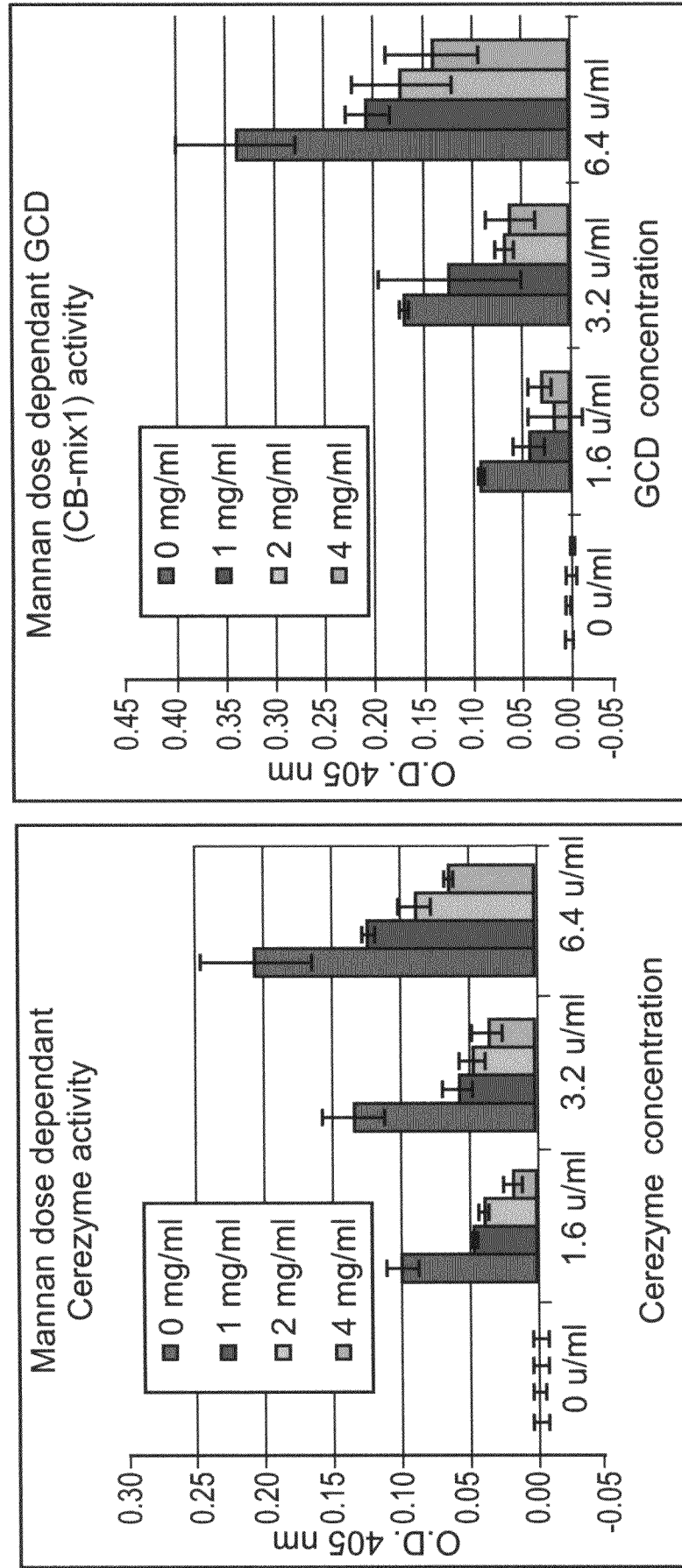


Fig. 5b

Uptake of GCD in peritoneal macrophages by mannose receptors
 GCD (CB-mix1 – rGCD of the present invention) Vs. Cerezyme®

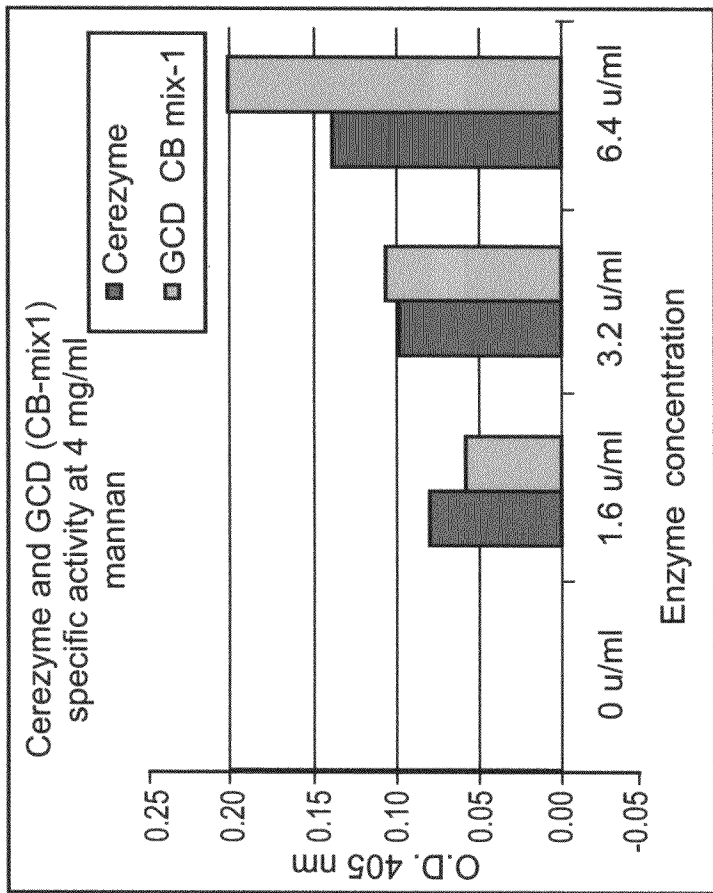
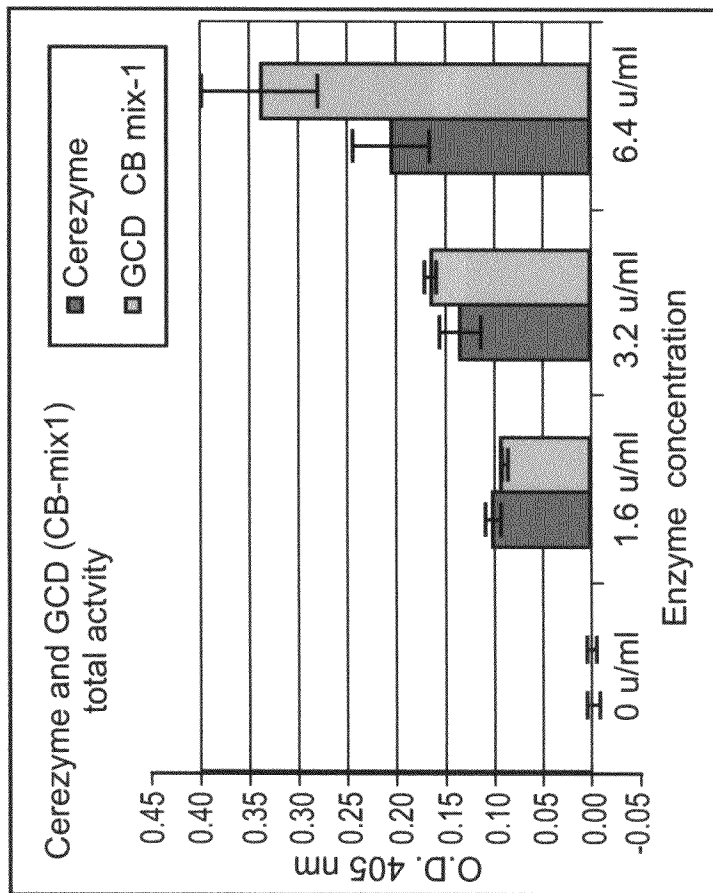


Fig. 5c

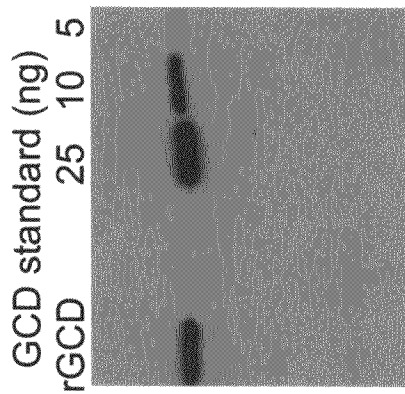
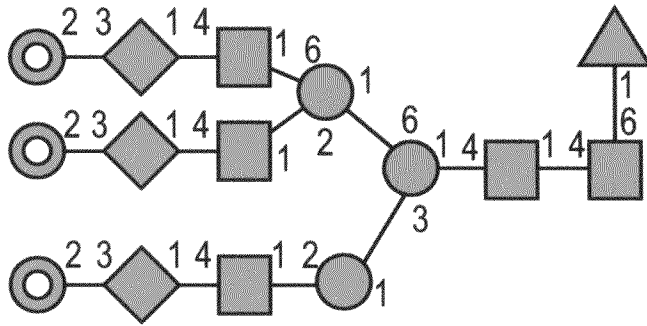
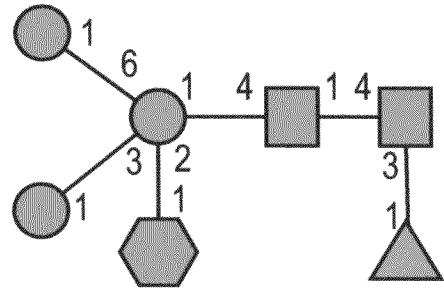


Fig. 5d



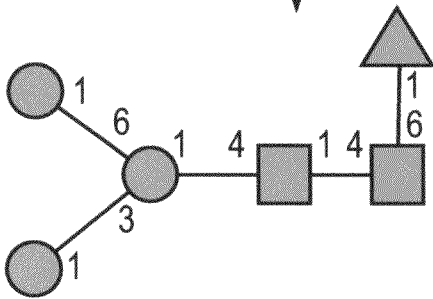
Major glycan structure from CHO cells



Major glycan structure from carrot cells:

Mannose terminal glycan

Glycan remodeling with glycosidases



Major remodeled glycan structure on Cerezyme

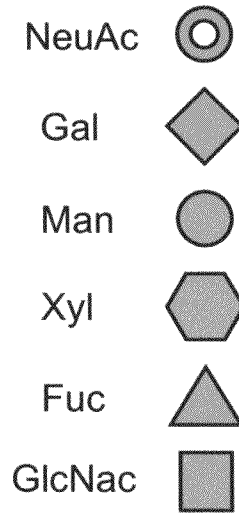


Fig. 6

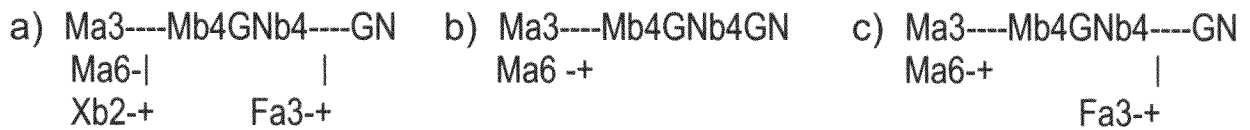
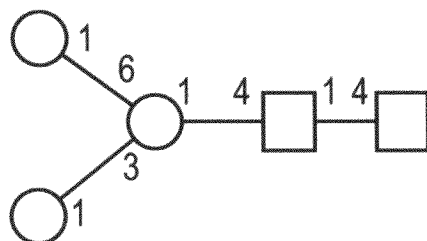
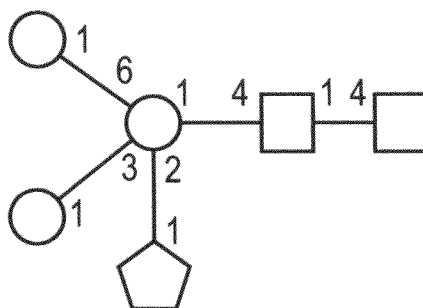


Fig. 7

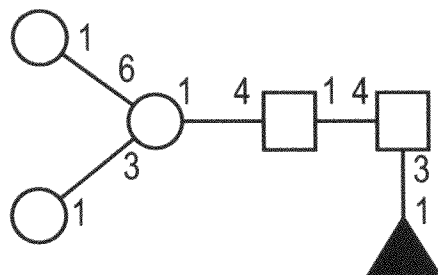
14/17



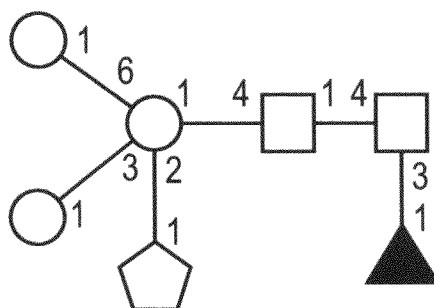
Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1171.5



Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1331.6

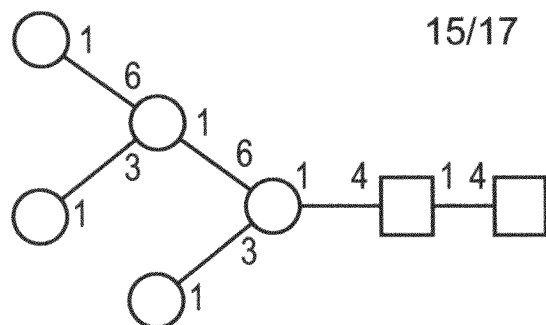


Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1345.6

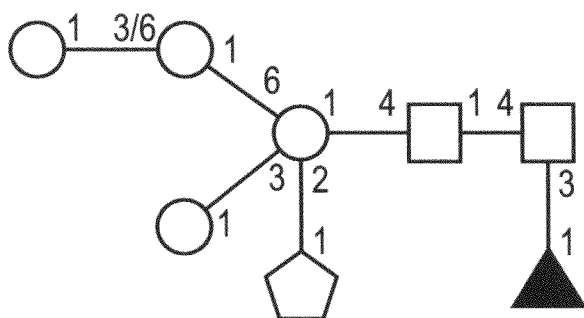


Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1505.7

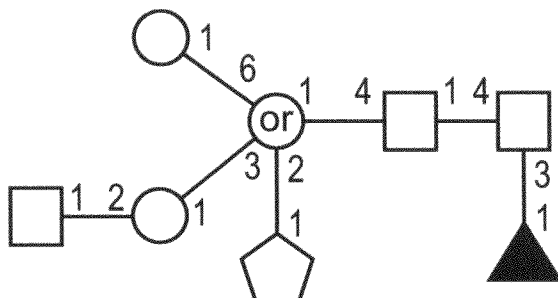
Fig. 8a



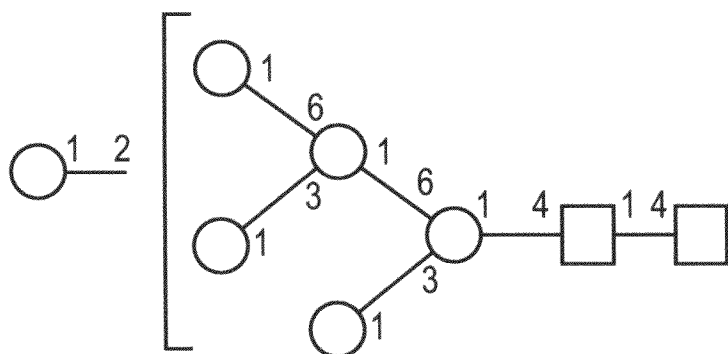
Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1579.8



Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1709.7



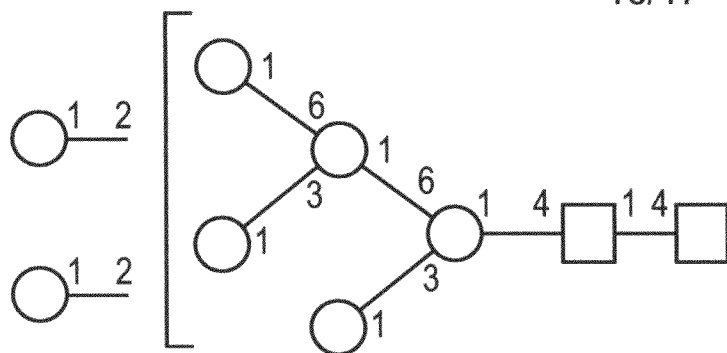
Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1750.9



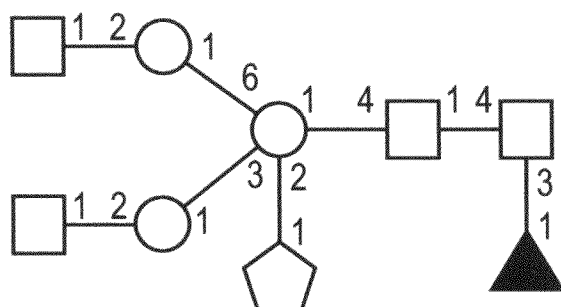
Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1783.9

Fig. 8b

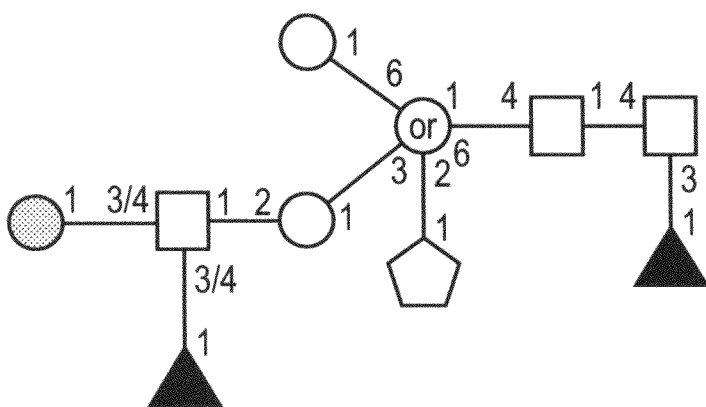
16/17



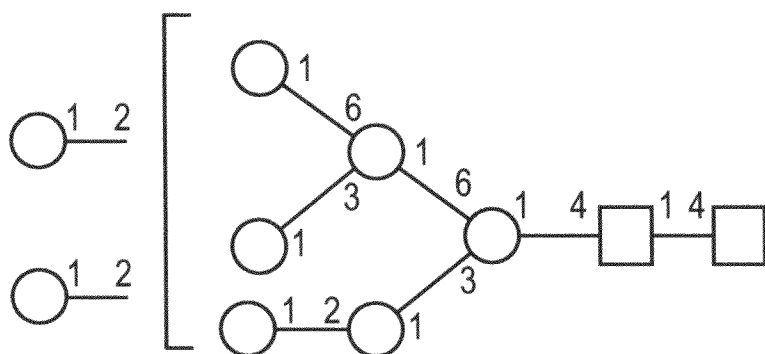
Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1989.0



Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 1997.0

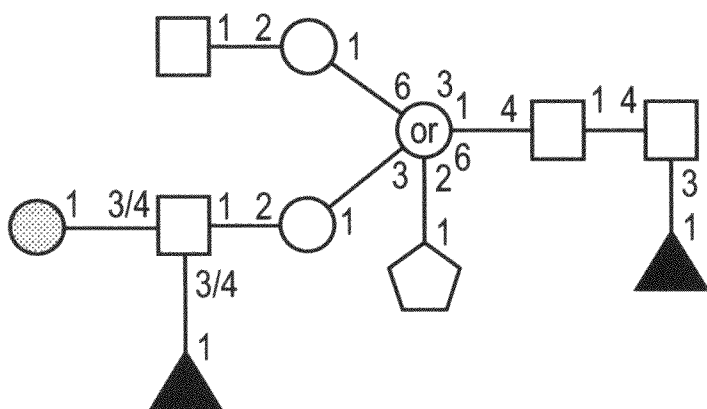


Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 2130.0

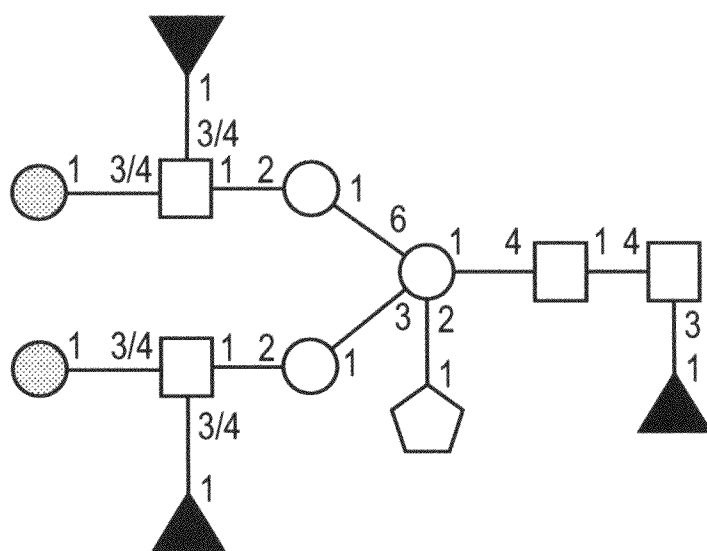


Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 2193.1

Fig. 8c



Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 2375.2



Theoretical monoisotopic mass for $[M+Na]^+$ molecular ion = 2375.2

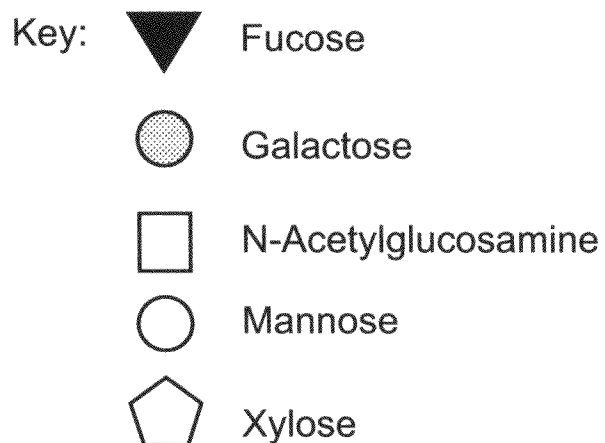


Fig. 8d